

Utah Weekly Pertussis Update

2020 data, through MMWR week ending May 9 (MMWR week 19)

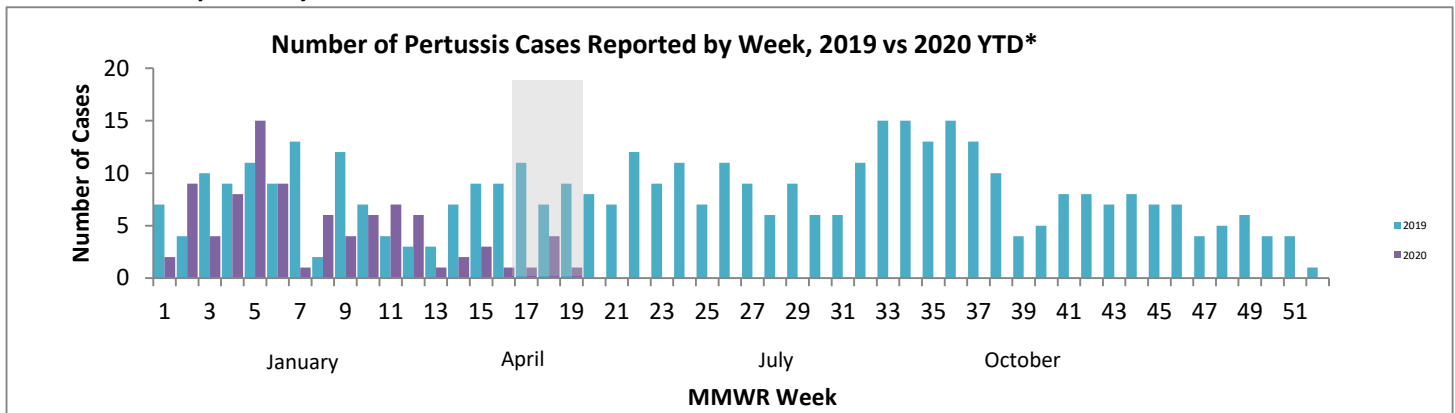
Data presented in this report are based on current data available and will be subject to change weekly.

Data Summary

Total number of cases reported, 2020 year-to-date (YTD)	90	Utah Incidence rate, 2020 year-to-date (YTD) per 100,000 person-years	7.8
Total number of cases reported 2019	417	Utah Incidence rate, 2019 per 100,000 person-years	13.4
Number of cases reported in past week	1	National Incidence rate*, 2018 per 100,000 person-years	4.8
Total number of cases reported, through same time period 2019	146	2020 Hospitalizations	6
Age groups with the highest rates	<1	2020 Cases in infants <1 year	6
	1-4		

*National Incidence Rate is updated as released by the Centers for Disease Control and Prevention.

Number of cases reported by week



*Additional cases may have occurred, especially in the most recent 3 weeks that have not yet been reported, as indicated by the grayed out section of the graph above.

2020 Year-to-Date Incidence Rates, By Age

Age (years)	2020 Cases	2018 population	Rate*
<1	6	50,160	32.8
1-4	9	202,844	12.2
5-14	16	525,877	8.3
15-24	23	509,891	12.4
25-34	3	464,908	1.8
35-44	9	434,614	5.7
45-54	12	322,173	10.2
55-64	4	300,160	3.7
65+	8	350,478	6.3
Unknown	0	-	-
Total	90	3,161,105	7.8

* Rate is calculated per 100,000 person years.

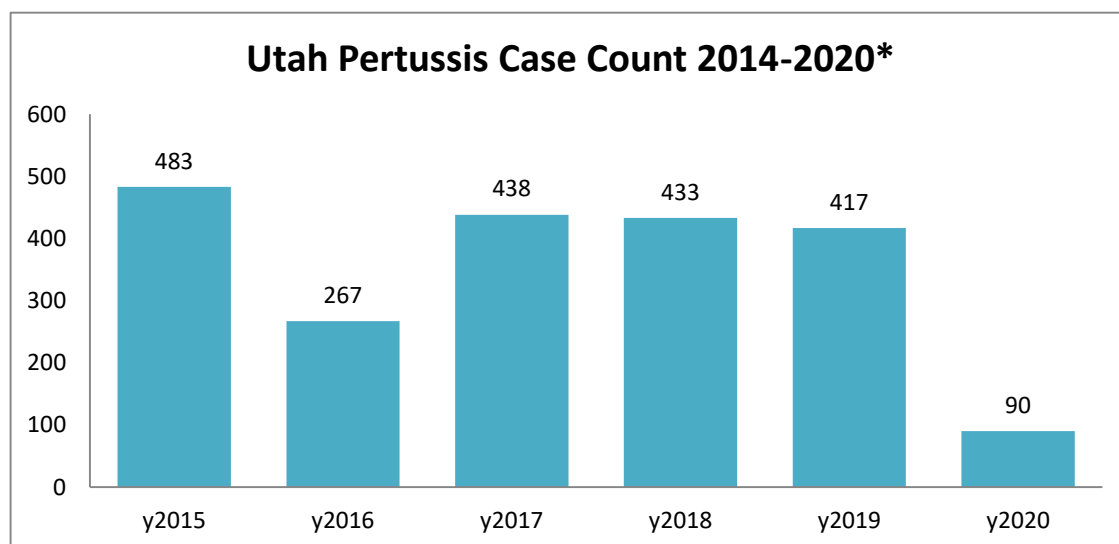
Infants less than 1 year of age have historically had the highest incidence rates of pertussis due to their susceptibility.

School Age Incidence Rates, 2020 Year-to-Date

Grade	Age (years)	2020 Cases	2018 Population	Rate*
Preschool	3-4	4	151,676	7.2
Kindergarten	5	3	51,880	15.9
1	6	1	50,305	5.5
2	7	2	51,662	10.6
3	8	2	52,672	10.4
4	9	3	52,559	15.7
5	10	0	53,970	0.0
6	11	1	54,129	5.1
7	12	1	53,185	5.2
8	13	1	52,831	5.2
9	14	2	52,684	10.4
10	15	2	52,057	10.5
11	16	7	50,856	37.8
12	17	4	50,668	21.7

* Rate is calculated per 100,000 person-years. School age incidence rates were calculated using the average age of a student in each grade. High incidence rates in 5th and 6th grade may be due to waning immunity.

Utah Case Counts of Pertussis, 2015-2020* Year to Date



Pertussis tends to be cyclical. Reports have increased in Utah since 2010, peaked in 2012, and are currently trending downward.

* 2020 data includes pertussis cases reported year to date. 2015-2019 data reflects cases reported during the entire calendar year for each year.

Incidence of Pertussis by Local Health Department, 2020 YTD

Local Health Department	2020 Cases	Rate*
Bear River	3	4.5
Central Utah	0	0.0
Davis County	8	6.2
Salt Lake County	32	7.6
San Juan County	0	0.0
Southeast Utah	0	0.0
Southwest Utah	4	4.5
Summit County	3	19.6
Tooele County	5	19.6
TriCounty	0	0.0
Utah County	7	3.1
Wasatch County	6	49.5
Weber-Morgan	22	22.5

